#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization

International Bureau



## 

(43) International Publication Date 10 June 2004 (10.06.2004)

PCT

## (10) International Publication Number WO 2004/048218 A1

(51) International Patent Classification<sup>7</sup>: B65D 35/36, 35/44, 41/16

(21) International Application Number:

PCT/US2003/006995

(22) International Filing Date: 7 March 2003 (07.03.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/427.697

20 November 2002 (20.11.2002) US

- (71) Applicant (for all designated States except US): COSMO-LAB, INC. [US/US]; 1100 Garrett Road, Lewisburg, TN 37091 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): WILLIAMS, Doug [US/US]; 1361 Tilton Drive, Franklin, TN 37067 (US).
- (74) Agent: ZELLER, James, P.; Marshall, Gerstein & Borun, 233 S. Wacker Drive, 6300 Sears Tower, Chicago, IL 60606-6357 (US).

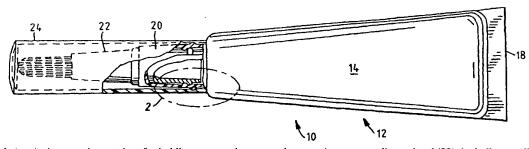
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COSMETIC CONTAINER, COSMETIC APPLICATOR, AND METHODS OF MAKING THE SAME



(57) Abstract: A cosmetic container for holding a cosmetic mass and connecting to an applicator head (22), including a collapsible reservoir (12) including a generally tubular wall (14) sealed at one end and a tubular neck joined to the reservoir (12), the neck including a coupler (30), and the interior of the neck communicating with the interior of the reservoir (12); a cosmetic applicator (10) for holding and applying a cosmetic mass, including a collapsible reservoir (12) including a generally tubular wall (14) sealed at one end and a tubular applicator head (22) joined to the reservoir, the interior of the applicator head (22) communicating with the interior of the reservoir (12), the applicator head (22) including a rigid base portion (40) adjacent the reservoir (12), a tip portion (44) including one or more discharge openings (48), a plurality of fibers disposed on the outer surface of the tip (44), and the outer wall of the applicator head (22) including an outer coupler (32); and methods for making the same, are disclosed.

#### INTERNATIONAL SEARCH REPORT

PCT/US 03/06995

a. classification of subject matter IPC 7 B65D35/36 B65D B65D35/44 B65D41/16 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) B65D A45D IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to daim No. Citation of document, with indication, where appropriate, of the relevant passages Category 5 1,2,6-9,US 3 016 561 A (DAVID HULSH SHELDON) X 11,12 16 January 1962 (1962-01-16) 13-15 column 2, line 45 -column 6, line 18; figures 1-5 4,5,16 A 13-15 US 5 462 798 A (GUERET JEAN-LOUIS H) Y 31 October 1995 (1995-10-31) see abstract 1,2,6-9, WO 02 10029 A (KNIERIEMEN PAUL ; PFIZER χ 11.12 PROD INC (US)) 7 February 2002 (2002-02-07) page 2, line 26 -page 4, line 11; figures 1-8 4,5,13, Α 16 Patent family members are listed in annex. Further documents are listed in the continuation of box C. X . Special categories of cited documents: 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention 'E' earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is ched to establish the publication date of another citation or other special reason (as specified) 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled O' document referring to an oral disclosure, use, exhibition or other means in the art. document published prior to the international filling date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 17 July 2003 28/07/2003 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Lendfers, P

### INTERNATIONAL SEARCH REPORT

PCT/US 03/06995

C (O=		5 03/06995
Category *	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	DE 18 13 927 A (LUEBKE KARL) 25 June 1970 (1970-06-25) page 1 -page 3; figures 1-3	1,2,6-9, 11,12 13-16
X	US 2 038 057 A (JOHN PETERS WALTER)	1,2,6-9
A	21 April 1936 (1936-04-21) column 2, line 9 -column 3, line 40; figures 1-11	13,14,16
A	GB 742 615 A (KIWI POLISH COMPANY PTY LTD) 30 December 1955 (1955-12-30) page 1, line 86 -page 3, line 27; figures 3,6	1-12
	·	
•		
	·	
		·

## INTERNATIONAL SEARCH REPORT

mation on patent family members

PCT/US 03/06995

Patent document cited in search report		Publication date	Patent family member(s)			Publication date
US 3016561	Α	16-01-1962	NONE			
US 5462798	Α	31-10-1995	FR	2685925	A1	09-07-1993
			CA	2100345	A1	09-07-1993
			DE	69224899	D1	30-04-1998
			DE		T2	23-07-1998
			EP	0581922	A1	09-02-1994
			ES		T3	01-05-1998
			WO	9314251		22-07-1993
			JP		T	23-06-1994
			JP	3100162	B2	16-10-2000
WO 0210029	Α	07-02-2002	AU	8130101	A	13-02-2002
			CA	2404264	A1	07-02-2002
			EP	1305228	A1	02-05-2003
			WO	0210029	A1	07-02-2002
			US	2002021933	A1	21-02-2002
DE 1813927	A.	25-06-1970	DE	1813927	A1 .	25-06-1970
US 2038057	Α	21-04-1936	NONE			
GB 742615	Α	30-12-1955	NONE	نکا منا اسائل مند ساخت <b>ا</b> مسجور جو جو جو		